Smart Skies			
2008 Mathematics			
Content Standards			
Wyoming Mathematics			
Grade 5			
Activity/Lesson	**State**	**Standards**	
Fly by Math	WY	MA.5.MA5.3.6.b	Use elapsed time to the nearest minute.
Fly by Math	WY	MA.5.MA5.5.1	Students systematically collect, organize, and describe/represent categorical data using bar graphs.
Fly by Math	WY	MA.5.MA5.5.2	Students find and interpret mode for data sets in a problem-solving setting appropriate to grade level. Students communicate their findings.

Smart Skies			
2008 Mathematics			
Content Standards			
Wyoming Mathematics			
Grade 6			
Activity/Lesson	**State**	**Standards**	
Fly by Math	WY	MA.6.MA6.5.1	Students systematically collect, organize, and describe/represent numeric data using line graphs.
Line Up with Math	WY	MA.6.MA6.4.2	Students apply their knowledge of patterns to describe a constant rate of change when solving problems.

Smart Skies			
2008 Mathematics			
Content Standards			
Wyoming Mathematics			
Grade 7			
Activity/Lesson	**State**	**Standards**	
Fly by Math	WY	MA.7.MA7.2.1.a	Classify and describe one- and two-dimensional geometric objects, including lines, rays, segments, and angles;
Fly by Math	WY	MA.7.MA7.4.4	Students understand and use basic concepts of the coordinate system, including plotting points in all four quadrants.
Fly by Math	WY	MA.7.MA7.5.1	Students systematically collect, organize, describe, and analyze data using histograms.
Line Up with Math	WY	MA.7.MA7.2.1.a	Classify and describe one- and two-dimensional geometric objects, including lines, rays, segments, and angles;
Line Up with Math	WY	MA.7.MA7.3.3	Students apply estimation and measurement of capacity to content problems expressing the results in metric units (liters).
Line Up with Math	WY	MA.7.MA7.4.4	Students understand and use basic concepts of the coordinate system, including plotting points in all four quadrants.

Smart Skies			
2008 Mathematics			
Content Standards			
Wyoming Mathematics			
Grade 8			
Activity/Lesson	**State**	**Standards**	
Fly by Math	WY	MA.8.MA8.2.1.a	Classify and describe one- and two-dimensional geometric objects, including lines, rays, segments, and angles;
Fly by Math	WY	MA.8.MA8.5.1	Students systematically collect, organize, describe, analyze, and represent data using tables, charts, diagrams, and graphs.
Line Up with Math	WY	MA.8.MA8.2.1.a	Classify and describe one- and two-dimensional geometric objects, including lines, rays, segments, and angles;
Smart Skies			
2008 Mathematics			
Content Standards			
Wyoming Mathematics			
Grades 9-11			
Activity/Lesson	**State**	**Standards**	
Fly by Math	WY	MA.9-11.MA11.2.5	Students connect geometry with other mathematical topics.
Fly by Math	WY	MA.9-11.MA11.5.1	Students apply knowledge of mean, median, mode, and range to interpret and evaluate information and data.
Fly by Math	WY	MA.9-11.MA11.5.4	Students determine, collect, organize, and analyze relevant data needed to make conclusions.
Line Up with Math	WY	MA.9-11.MA11.2.4	Students solve problems involving the coordinate plane such as the distance between two points, the midpoint, and slope.
Line Up with Math	WY	MA.9-11.MA11.2.5	Students connect geometry with other mathematical topics.
Line Up with Math	WY	MA.9-11.MA11.3.1	Students apply estimation and measurement using the appropriate methods and units to solve problems involving length, weight/mass, area, surface area, volume, and angle measure.
Line Up with Math	WY	MA.9-11.MA11.3.3	Students identify and apply scale, ratios, and proportions in solving measurement problems.